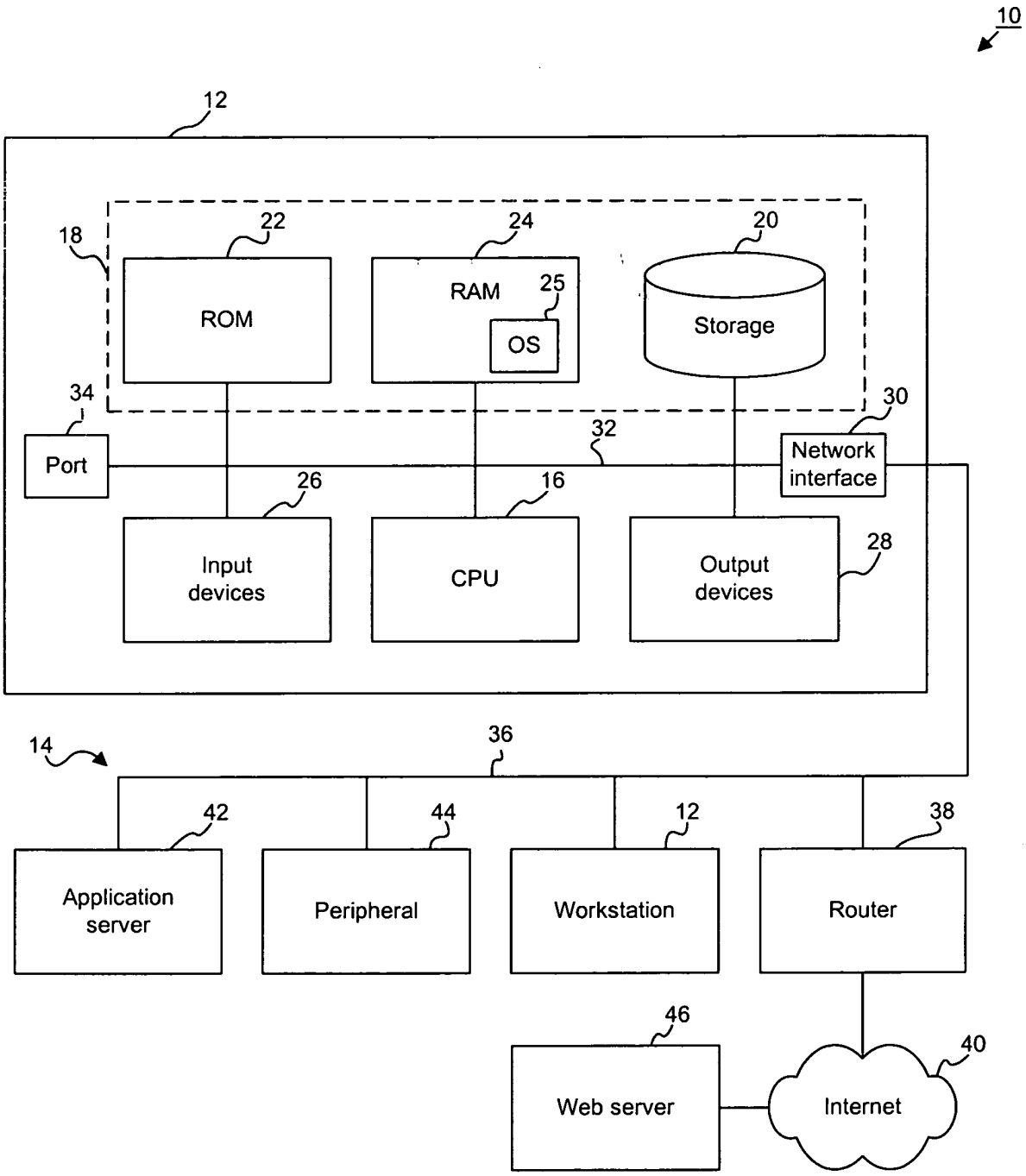
10
12
18
22
24
20
ROM
RAM
25
OS
Storage
34
30
32
Port
Network interface
26
16
Input devices
CPU
Output devices
28
14
36
42
44
12
38
Application server
Peripheral
Workstation
Router
46
40
Web server
Internet

Fig. 1

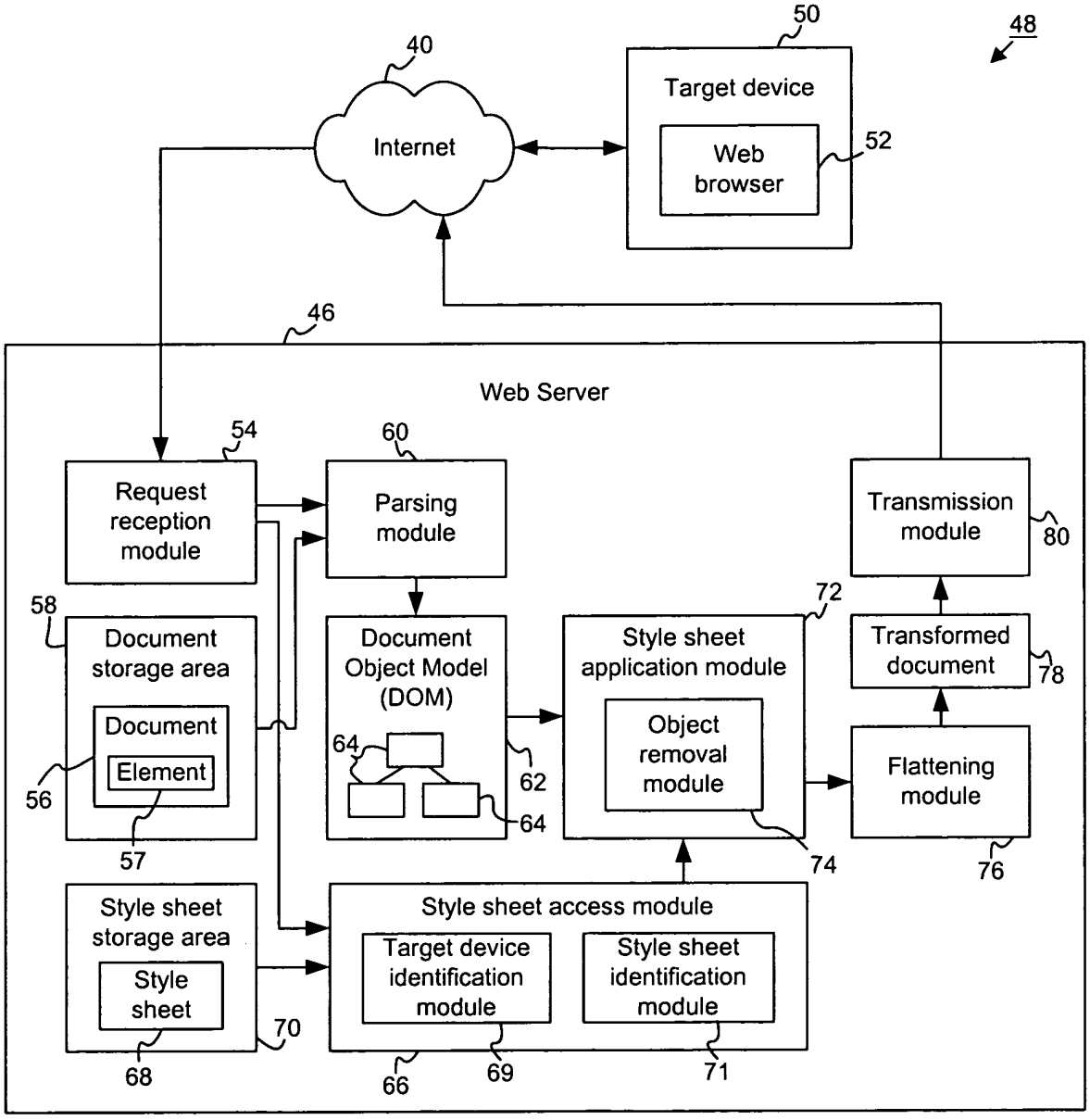
48
50
40
Target device
Internet
Web browser
52
46
Web Server
54
60
Request reception module
Parsing module
Transmission module
80
58
Document storage area
Document
Element
56
57
Document Object Model (DOM)
64
62
64
72
Style sheet application module
Object removal module
74
Transformed document
78
Flattening module
76
Style sheet storage area
Style sheet
68
70
Style sheet access module
Target device identification module
Style sheet identification module
66
69
71

Fig. 2

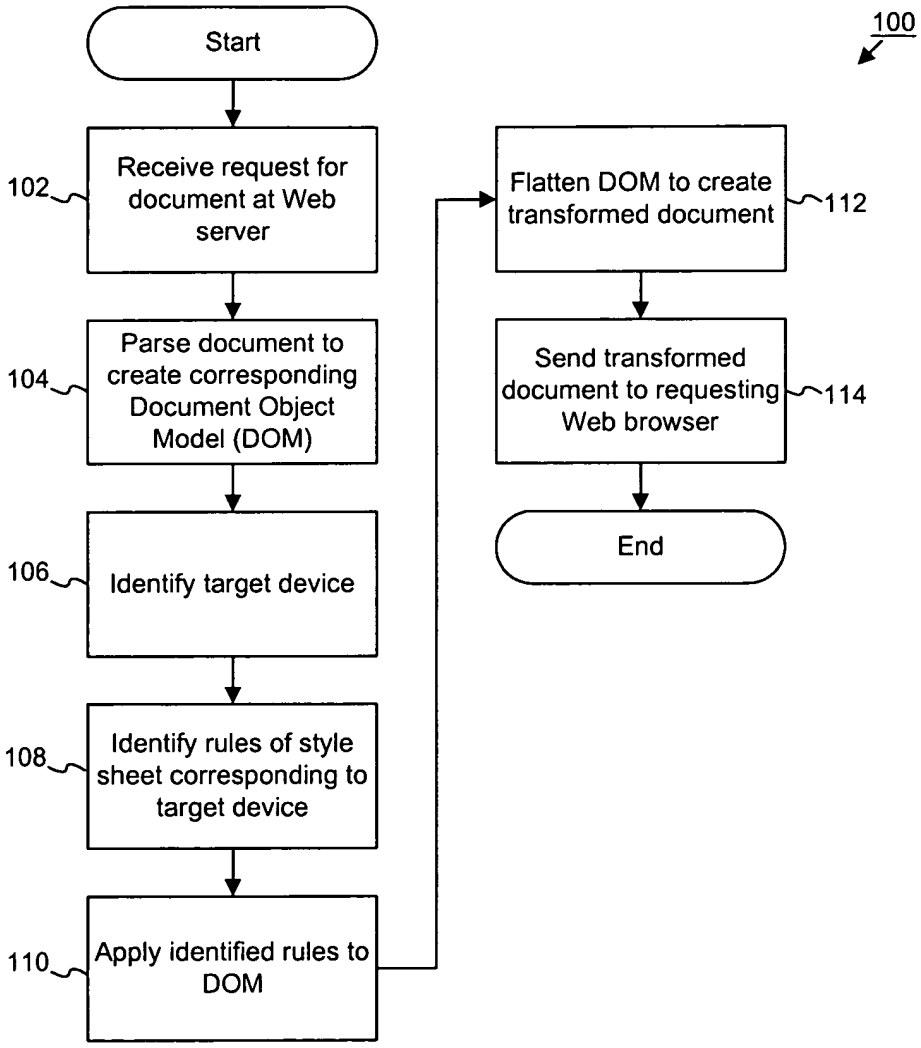
Start
100
Receive request for document at Web server
102
Parse document to create corresponding Document Object Model (DOM)
104
Identify target device
106
Identify rules of style sheet corresponding to target device
108
Apply identified rules to DOM
110
Flatten DOM to create transformed document
112
Send transformed document to requesting Web browser
114
End

Fig. 3

File: MyDocument.html (as requested)

```
<html>
<head>
<TITLE>A Simple HTML Document</TITLE>
</head>
<body>
<P>This is a simple HTML document.</P>
<IMG SRC="Image1.gif">
<IMG SRC="Image2.gif">
<IMG SRC="Image3.gif">
</body>
</html>
```

57A

57B

56

Fig. 4

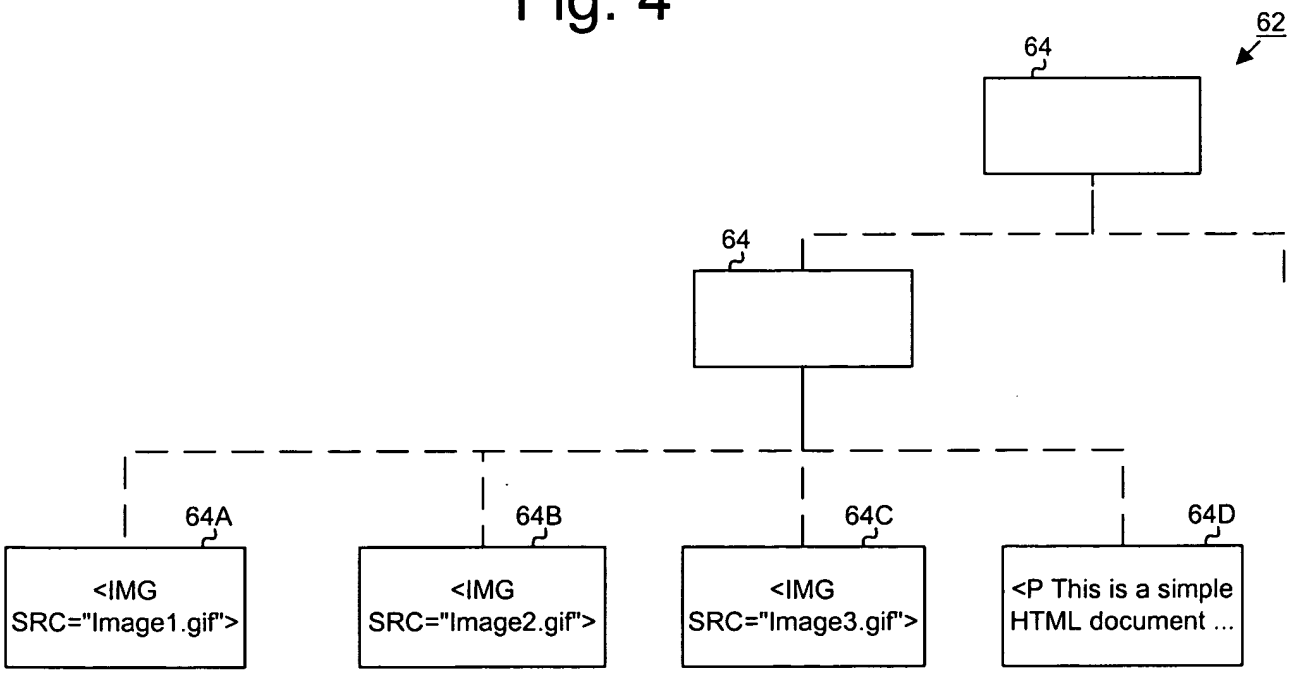

Fig. 5

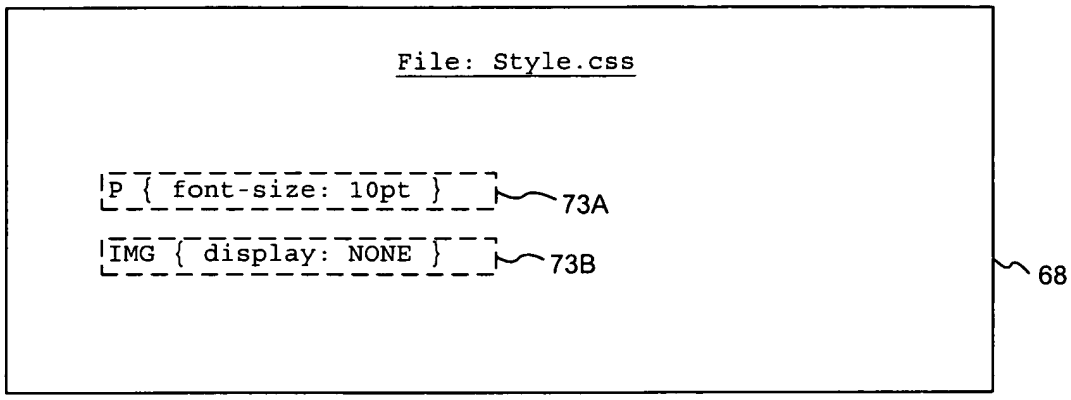
File: Style.css
P { font-size: 10pt }
73A
IMG { display: NONE }
73B
68

Fig. 6

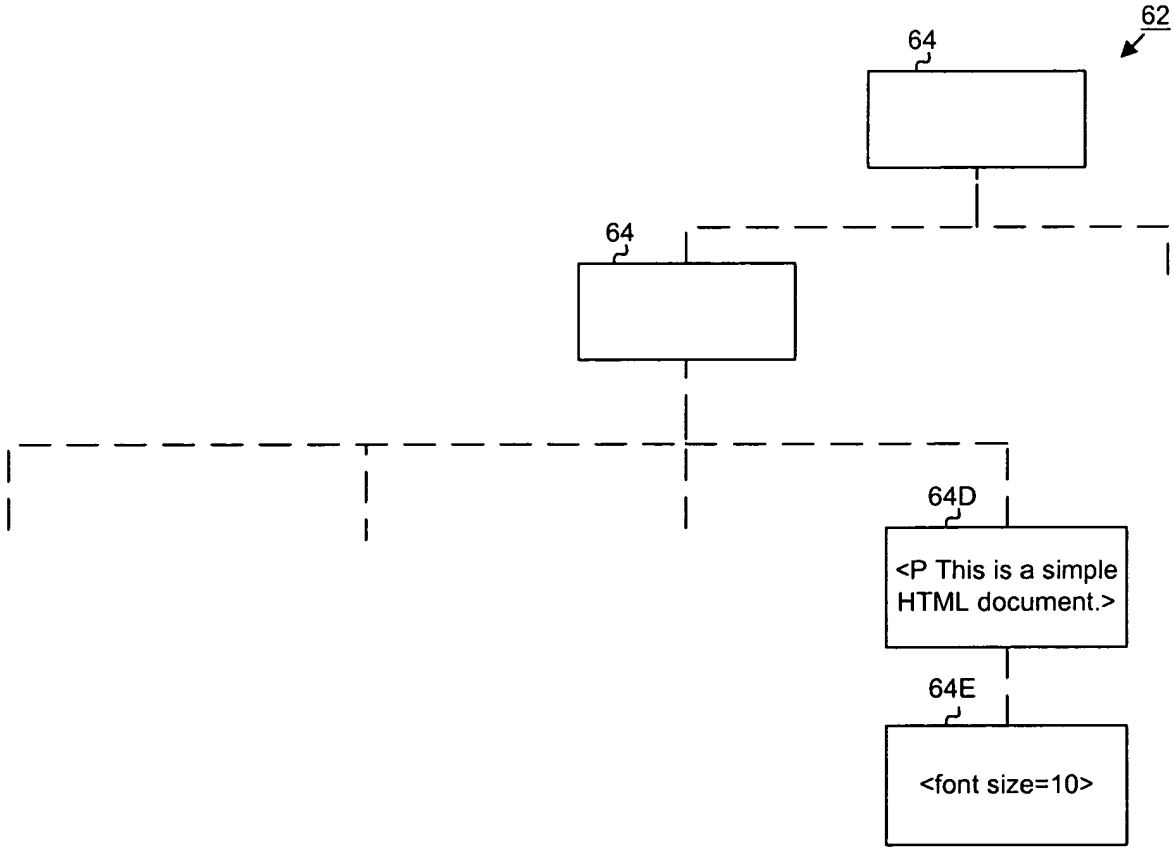
62
64
64
64D
<P This is a simple HTML document.>
64E
<font size=10>

Fig. 7

File: MyDocument.html (as transmitted)

```
<html>
<head>
<TITLE>A Simple HTML Document</TITLE>
</head>
<body>
<P><font size=10>This is a simple HTML document.</P>
</font>
</body>
</html>
```

57C

78

Fig. 8